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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/501,408	02/10/2000	Frederic Serre	A32979-070337.0181	3806	
21839 75	21839 7590 05/19/2004		EXAMINER		
BURNS DOANE SWECKER & MATHIS L L P POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404			SHOSHO,	SHOSHO, CALLIE E	
			ART UNIT	PAPER NUMBER	
			1714		
			DATE MAILED: 05/19/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Applicantles	• ,					
Examiner Callie E. Shosho		Application No.	Applicant(s)			
Callie E. Shosho		09/501,408	SERRE, FREDERIC			
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Application Number: 09/501,408

Art Unit: 1714

DETAILED ACTION

All outstanding rejections are overcome by applicants' amendment filed 3/1/04.
 In light of the new grounds of rejection as set forth below, the following rejection is non-final.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 29-32 are rejected under 35 U.S.C. 102(e) as being anticipated by Lickes et al. (U.S. 6,533,008).

Lickes et al. disclose pneumatic tire obtained from rubber composition comprising 100 parts elastomer such as cis 1,4-polyisoprene or natural rubber or mixture of elastomers including cis 1,4-polyisoprene or natural rubber and styrene butadiene emulsion, styrene/isoprene/butadiene, or polybutadiene and 15-100 phr pyrogenic or precipitated silica wherein the silica possesses surface area of 50-300 m²/g. It is noted that Lickes et al. disclose the use of silica known under the tradename VN3 which is identical to that used in the present invention and thus would inherently possess SiOH surface functions as presently claimed. The rubber composition is used to produce apex, ply, chafer, or innerliner of the tire (col.1, line 66-

Application Number: 09/501,408

Art Unit: 1714

col.2, line 2, col.2, lines 33-34 and 42-57, col.3, lines 35-39 and 50-55, col.5, lines 25-39, and col.6, lines 20-29).

In light of the above, it is clear that Lickes et al. anticipate the present claims.

Claim Rejections - 35 USC § 103

- 4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 5. Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lickes et al. (U.S. 6,533,008) in view of Takeichi et al. (U.S. 6,008,295).

The disclosure with respect to Lickes et al. in paragraph 3 above is incorporated here by reference.

The difference between Lickes et al. and the present claimed invention is the requirement in the claims of specific type of additional diene elastomer.

Takeichi et al., which is drawn to rubber compositions for tires, discloses the use of silicon or tin halide modified diene elastomer in order to produce a composition with superior fracture properties and low hysteresis loss (col.1, lines 19-22, col.2, lines 34-55, and col.6, lines 45-55).

In light of the motivation for using specific type of additional diene elastomer disclosed by Takeichi et al. as described above, it therefore would have been obvious to one of ordinary skill in the art to use such diene elastomer in the tire of Lickes et al. in order to produce tire with superior fracture properties and low hysteresis loss, and thereby arrive at the claimed invention.

Art Unit: 1714

6. Claim 34 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lickes et al. (U.S. 6,533,008) in view of Fukahori et al. (U.S. 5,844,050).

The disclosure with respect to Lickes et al. in paragraph 3 above is incorporated here by reference.

The difference between Lickes et al. and the present claimed invention is the requirement in the claims of additional diene elastomer that has been modified by branching agent such as divinylbenzene.

Fukahori et al., which is drawn to rubber composition, disclose a diene elastomer comprising a majority of cis-1,4-bonds, which is branched using divinylbenzene (col.9, lines 4-14, 32 and 46-50) in order to produce a composition with good abrasion resistance, fatigue resistance, and tensile properties (col.25, lines 26-36).

In light of the above, it therefore would have been obvious to one of ordinary skill in the art to use such diene elastomer in the tire of Lickes et al. in order to produce tire with good abrasion resistance, fatigue resistance, and tensile properties, and thereby arrive at the claimed invention.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Callie E. Shosho whose telephone number is 571-272-1123. The examiner can normally be reached on Monday-Friday (6:30-4:00) Alternate Fridays Off.

Art Unit: 1714

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on 571-272-1119. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Callie E. Shosho Primary Examiner Art Unit 1714

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